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Vogt

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(54) **DEVICE FOR ADJUSTING AN OPTICAL APPARATUS**

5,230,490 A * 7/1993 Sloop 396/419
5,737,657 A * 4/1998 Paddock et al. 396/428

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* cited by examiner

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patent is extended or adjusted under 35
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(57) **ABSTRACT**

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(58) **Field of Search** 396/419, 428

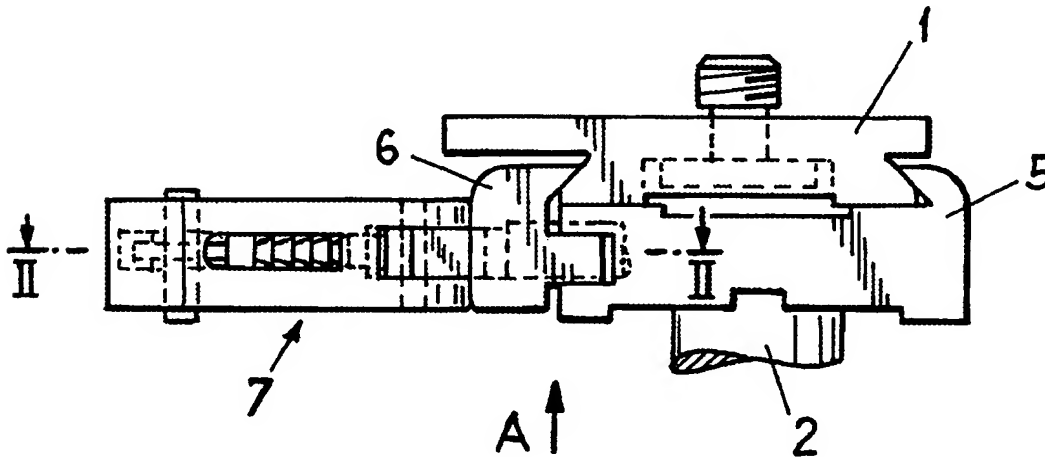
The apparatus has a first and a second member (5,6) and a device (7) for the fixing of a guide rail (1) with an optical apparatus to the members. The device (7) contains a blocking member (8) and a lever (9) with a holding device (10) standing under spring action, the lever being pivotally mounted on the blocking member and contacting the second member (6) in such a way that the lever fixes the optical apparatus in a first position, frees the optical apparatus for displacement in a second position and releases the optical apparatus for removal in a third position.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,824,504 A * 2/1958 Bethmann 396/419

3 Claims, 2 Drawing Sheets



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